

### REMARKS

Applicants thank the Examiner for the through consideration given the present application. Claims 1-3, 7 and 8 are currently being prosecuted. The Examiner is respectfully requested to reconsider his rejections in view of the amendments and remarks as set forth below.

#### *Allowable Subject Matter*

It is gratefully acknowledged that the Examiner considers the subject of claims 1-3, 7 and 8 as being allowable if certain objections are overcome. By way of the present Amendment, Applicants have amended claim 1 to overcome these rejections. Accordingly, all of the claims are now in condition for allowance.

#### *Restriction*

An election was previously made to elect the first invention including claims 1-3, 7 and 8. By way of the present Amendment, Applicants have canceled non-elected claims 4-6 and 9-17 in order to place the application in condition for allowance. Applicants reserve the right to file divisional applications based on these claims.

#### *Claim Objections*

The Examiner objected to claim 1 due to three informalities in step c of claim 1. By way of the present Amendment, Applicants have revised step c of claim 1 in order to adopt the Examiner's suggestions. First, the Examiner suggests indicating that the solid/liquid mixture and liquid carrier is subjected to different pressures  $P_1$  and  $P_2$  and that the corresponding densities  $\rho_1$  and  $\rho_2$  are measured. This has now been accomplished.

Secondly, the Examiner suggested deleting the  $V_{11} - V_1$ . By way of the present Amendment, Applicants have removed equation 12 completely including this term.

Thirdly, the Examiner points out that if equations 11 and 12 are combined that the definition of the volume reduces to an equation dependent only on the pressure and density. By way of the present Amendment, Applicants have inserted this equation into the claim in place of equations 11 and 12. Thus, Applicants have now attempted to place step c of claim 1 in the form

suggested by the Examiner. Should the Examiner for any reason find that this re-writing is not acceptable he is requested to call the undersigned so that any remaining minor problems can be corrected easily. In view of the above changes and comments, Applicants submit that the objections of the Examiner are now overcome and that this application is now in condition for allowance.

It is noted that the Examiner had also suggested that the measurement of the densities also indicate that these are measured along with the temperature and moles of free gas. However, since both T and n are no longer involved in the equation it was felt unnecessary to include the description of the measurement.

*Conclusion*

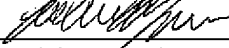
In view of the above, it is believed that the claims are now in condition for allowance. Accordingly, an early and favorable action is respectfully requested.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Robert F. Gnuse Reg. No. 27,295 at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.14; particularly, extension of time fees.

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Respectfully submitted,

By   
Joe McKinney Muncy  
Registration No.: 32,334  
BIRCH, STEWART, KOLASCH & BIRCH, LLP  
8110 Gatehouse Road  
Suite 100 East  
P.O. Box 747  
Falls Church, Virginia 22040-0747  
(703) 205-8000  
Attorney for Applicant

**ROBERT F. GNUSE**  
**Registration # 27295**